

Contents of *Agriculture, Ecosystems and Environment*, Volume 35

VOL. 35 NO. 1

MARCH 1991

Influence of plant spatial patterns on disease dynamics, plant competition and grain yield in genetically diverse wheat populations L.S. Brophy and C.C. Mundt (Corvallis, OR, U.S.A.)	1
Effects of elevated atmospheric CO ₂ on water relations of soya bean S.A. Prior, H.H. Rogers (Auburn, AL, U.S.A.), N. Sionit (San Diego, CA, U.S.A.) and R.P. Patterson (Raleigh, NC, U.S.A.)	13
Weed community composition and rice husbandry practices in New South Wales, Australia S. McIntyre, C.M. Finlayson, D.S. Mitchell (Griffith, N.S.W., Australia) and P.Y. Ladiges (Parkville, Vic., Australia)	27
Effects of <i>Glomus clarum</i> and water stress on growth and nitrogen fixation in two genotypes of groundnut D. Simpson and M.J. Daft (Dundee, Gt. Britain)	47
Effects of cassava-based cropping systems on physico-chemical properties of soil and earthworm casts in a tropical Alfisol N.R. Hulugalle and H.C. Ezumah (Ibadan, Nigeria)	55
A pheromone inhibitor for male <i>Grapholitha funebrana</i> Tr., and its use for increasing the specificity of the lure for <i>G. molesta</i> Busck (Lepidoptera: Tortricidae) M. Tóth, G. Szirák, G. Szöcs and E. Sáringer (Budapest, Hungary)	65
Effects of cotton cultivars on feeding of <i>Heliothis armigera</i> and <i>Spodoptera littoralis</i> larvae and on oviposition of <i>Bemisia tabaci</i> A. Navon, V. Melamed-Madjar, M. Zur and E. Ben-Moshe (Bet Dagan, Israel)	73

VOL. 35 NOS. 2–3

APRIL 1991

Special Issue: Mycorrhizas

Introduction

F.T. Last (Longniddry, Gt. Britain)	81
Causal morphology and evolution of mycorrhizas G.C. Marks (Kew, Vic., Australia)	89
Vesicular-arbuscular (endo-) mycorrhizas: cellular, biochemical and genetic aspects S. Gianinazzi (Dijon, France)	105
Factors influencing the occurrence of vesicular-arbuscular mycorrhizas L.K. Abbott and A.D. Robson (Nedlands, W.A., Australia)	121
Influences of genotypes, rock phosphate and plant densities on mycorrhizal	

development and the growth responses of five different crops	
M.J. Daft (Dundee, Gt. Britain)	151
A critique of the role of ectomycorrhizas in forest ecology	
K.A. Vogt, D.A. Publicover and D.J. Vogt (New Haven, CT, U.S.A.)	171
The mycorrhizal status of Douglas fir in The Netherlands: its relation with stand age, regional factors, atmospheric pollutants and tree vitality	
A.E. Jansen (Wijster, The Netherlands)	191
Decline of ectomycorrhizal fungi in Europe	
E. Arnolds (Wijster, The Netherlands)	209
The influence of sheathing (ecto-) mycorrhizas of trees on the uptake and toxicity of metals	
D.A. Wilkins (Birmingham, Gt. Britain)	245
Temporal changes and effects of amendments on the occurrence of sheathing (ecto-) mycorrhizas of conifers growing in oil sands tailings and coal spoil	
R.M. Danielson (Calgary, Alta., Canada)	261

VOL. 35 NO. 4

MAY 1991

Structure and function of the agroforestry system in the Pithoragarh district of Central Himalaya: an ecological viewpoint	
P.K. Ralhan (Ludhiana, India), G.C.S. Negi and S.P. Singh (Naini Tal, India)	283
Dispersal within and between citrus orchards and native hosts, and nymphal mortality of citrus psylla, <i>Trioza erytreae</i> (Hemiptera: Triozidae)	
M.A. Van den Berg, V.E. Deacon and P.J. Steenekamp (Nelspruit, South Africa)	297
Herbicide and rotation effects on soil and rhizosphere microorganisms and crop yields	
T.B. Moorman (Stoneville, MS, U.S.A.) and C.C. Dowler (Tifton, GA, U.S.A.)	311
Potential impacts of a CO ₂ -induced climate change using the GISS scenario on agriculture in Quebec, Canada	
B. Singh (Montreal, Que., Canada) and R.B. Stewart (Ottawa, Ont., Canada)	327
Views and Ideas	
Spring populations of <i>Aphis gossypii</i> (Homoptera: Aphididae) in cotton fields: to spray or not to spray?	
Z.-Q. Zhang (Ithaca, NY, U.S.A.) and P. Chen (Jiangsu, P.R. of China)	349
Book Review	
Pesticides	353
Erratum	354
Author Index	355

